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प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 42] नई दिल्ली, शनिवार, अक्टूबर 17, 1987 (आश्विन 25, 1909)
No. 42] NEW DELHI, SATURDAY, OCTOBER 17, 1987 (ASAVINA 25, 1909)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 17th October 1987

PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
Todi Estates, 3rd Floor,
Lower Parel (West),
Bombay-400013.

Telegraphic address "PATOFFICE".

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Patent Office Branch,
Unit No. 401 to 405, 3rd Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

Telegraphic address "PATENTOFIC".

1—287GI/87

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Patent Office Branch,
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Patent Office, (Head Office),
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Calcutta-700 017.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

(1097)

CORRIGENDUM

- (a) In the Gazette of India, Part III, Section 2, dated 13th June, 1987 under the heading "Applications for Patents filed in the Patent Office Branch at Todi Estate, 3rd Floor, Sun Mill Compound, Lower Parel (West), Bombay-400 013 on page 555.
- In respect of Patent Application No. 104/BOM/87 in the title of the invention for "A MULTI-FILAMENT ELECTRIC LAMP WITH SLIDE BUTTON ARRANGEMENT" read "A MULTI FILAMENT ELECTRIC LAMP WITH SLIDE BUTTON".
 - In respect of Patent Application No. 105/BOM/87 in the name of applicant for "K. H. KODADWALLA" read "K. H. KADADWALLA".
 - In respect of Patent Application No. 110/BOM/87 in the name of applicant for "K. R. DOLARIA" read "K. R. DHOLARIA".
 - In respect of Patent Application No. 111/BOM/87 title of invention for "NEW DEVICE OF NECK CLOSER OF BOTTLE FOR MEASURING AND HANDLING LIQUID" read "IN RESPECT OF DEVICE FOR NECK CLOSER OF BOTTLE FOR MEASURING AND HANDLING LIQUID".
 - In respect of Patent Application No. 117/BOM/87 title of invention for "BIOGAS INLET CONNECTION FOR DIESEL ENGINE" read "BIOGAS INLET CONNECTION FOR DIESEL (BIOGAS AND DIESEL) COMPRESSION IGNITION ENGINE".
- (b) In the Gazette of India, Part III, Section 2, dated 13th June, 1987 under the heading "COMPLETE SPECIFICATION ACCEPTED ON PAGES 582, 584 and 585 :
- In respect of Patent No. 159932 for the appropriate office for opposition proceeding for PATENT OFFICE BRANCH, NEW DELHI-110005 read "PATENT OFFICE BRANCH, BOMBAY-13".
 - In respect of Patent No. 159938 in claim 1, in line 12 for "FATTY SOAPS GLASSY SODIUM PHOSPHATES" read "FATTY ACID SOAPS GLASSY SODIUM PHOSPHATES".
 - In respect of Patent No. 159942 in claim 1, and in line 21 for "CYLINDER (II) POWER THE FEED SYSTEM (3) read "CYLINDER (i) POWER THE FEED SYSTEM (3) and also in line 24 for "SAME HYDRAULIC CYLINDER (i) POWER" read "SAME HYDRAULIC CYLINDER (i) POWER" and in last line for "SAME HYDRAULIC CYLINDER (i) POWER" read "SAME HYDRAULIC CYLINDER (i) POWER".
 - In respect of Patent No. 159943 name and address of applicant read as "PADMANNA JAMBU CHAUGULI, BLOCK NO. 11, P.O. PATNAPPA KUMBHAK NAGAR-416121, ICHALKARANJI, DIST-KOLHAPUR, MAHARASHTRA.
- (c) In the Gazette of India, Part III, Section 2, dated 20th June 1987 under the heading "Complete Specification accepted on page No. 606, 607, 615, 616 and 617.
- In respect of Patent No. 159997 for "APPLICANT" read APPLICANT & INVENTOR".
 - In respect of Patent No. 160002 for "PROVISIONAL LEFT ON JULY 4, 1985" read "COMPLETE AFTER PROVISIONAL LEFT ON JULY 4, 1985.
 - In respect of Patent No. 160005 in claim 1, in line 3 for "COMPRISING A STATOR

CASE, A ROTOR MOUNTED ON A SHAFT, SAID SHAFT" read "COMPRISING A STATOR, MOUNTED IN A STATOR CASE A ROTOR MOUNTED ON A SHAFT, SAID SHAFT and from line 14 delete "PROVIDED WITH A HUB AND".

- In respect of Patent No. 160029 in claim 1, delete the line 45.
- In respect of Patent No. 160036 in the name of the applicant for "MOHINDRA OWEN LIMITED" read MAHINDRA OWEN LIMITED.
- In respect of Patent No. 160037 (123/BOM/85) in claim 1, in line 27 for "SPARK OF 12000 VOLTS FROM IGNITION" read HT SPARK OF 12000 VOLTS FROM IGNITION".

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 9th September, 1987

- 718/Cal/87. Klockner Cra Technologie Gmbh, A process the production of steel, crude iron, alloys and other metal melts by increasing energy input in electric arc furnaces.
- 719/Cal/87. Trutzschler Gmbh & Co. KG. An opening device for the opening of compressed fibre bales.
- 720/Cal/87. Lanxide Technology Company, LP. Ceramic Articles with a polymer component and methods of making same.
- 721/Cal/87. Lanxide Technology Company, LP. Reservoir Feed method of making ceramic composite structures and structures made thereby.
- 722/Cal/87. E. I. Du Pont De Nemours and Company. Improvements relating to texturing yarns.
- 723/Cal/87. E. I. Du Pont De Nemours and Company. Improvements in texturing polyester yarns.
- 724/Cal/87. The Babcock & Wilcox Company. A gas sampling device. [Divisional dated 15th February, 1984].

The 10th September, 1987

- 725/Cal/87. Dyckerhoff & Widmann Aktiengesellschaft. A pressure vessel for the storage, production or conveyance of compressed gases and also a method for the fabrication thereof.
- 726/Cal 87. University of Dayton. Phase change compositions.
- 727/Cal/87. Lindauer Dornier Gesellschaft m.b.H. Method and device for storing a piece of weft yarn in a weft yarn magazine of a weft carrier.
- 728/Cal 87. Lindauer Dornier Gesellschaft m.b.h. Multi-feed weaving machine.
- 729/Cal/87. Lindauer Dornier Gesellschaft m.b.H. Multi-feed weaving machine with a permanently magnetic weft yarn carrier drive.
- 730/Cal/87. Lindauer Dornier Gesellschaft m.b.H. Device for the periodic delivery of measured lengths of weft yarn for a multi-feed weaving machine.
- 731/Cal/87. Lindauer Dornier Gesellschaft m.b.H. Device for the selective delivery of measured lengths of at least two different weft yarns for the weft yarn carriers of a multi-feed weaving machine.

The 11th September, 1987

- 732/Cal/87. Societe Chimique Des Charbonnages S.A. Improved continuous process for the manufacture of homopolymers of ethylene or copolymers of ethylene with at least one α -olefin. [Divisional dated 22nd December, 1983].

The 14th September, 1987

- 733/Cal/87. Compagnie Europeenne Du Zirconium Cezus. Process and apparatus for producing metal zirconium by the reduction of zirconium tetrachloride.
- 734/Cal/87. Lanxide Technology Company, (2) Alcan International Limited I.P. Ceramic Foams.

The 15th September, 1987

- 735/Cal/87. Danieli & C. Officine Meccaniche SpA. Plant to convert a metallic charge into semifinished

products, and connected smelting and casting method.

- 736/Cal/87. Lanxide Technology Company, LP. An improved method for producing composite ceramic structures using dross.

- 737/Cal/87. Lanxide Technology Company, LP. Method of making ceramic articles having channels therein and articles made thereby.

- 738/Cal/87. Lanxide Technology Company, LP. Production of ceramic and ceramic-metal composite articles incorporating filler materials.

- 739/Cal/87. Merck Patent Gesellschaft Mit Beschränkter Haftung. Platelet-shaped iron oxide pigments.

The 16th September, 1987

- 740/Cal/87. University of Dayton. Polyolefin composites containing a phase change material.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE
BRANCH AT TODI ESTATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST),
BOMBAY-400013.

5-8-1987

- | | | |
|------------|--|----------------|
| 253/BOM/87 | Hindustan Lever Ltd.
6th Aug 1986, Great Britain. | Catalyst Basis |
|------------|--|----------------|

7-8-1987

- | | | |
|------------|--------------------------|---------------------------------------|
| 254/BOM/87 | Kabushiki Kaisha Toshiba | Adaptive process control system. |
| 255/BOM/87 | M.H. Desai | Solar Stove with Sun aligning device. |

12-8-1987

- | | | |
|-------------|--|---|
| 256/BOM/87 | Marathon Electric Manufacturing Corporation. | Stator Core Unit for Dynamo-electric machine. |
| 257/BOM/87 | Do. | Alternator voltage regulator with speed responsive control. |
| 258/BOM/87. | Do.] | Alternator regulator having output monitoring and limiting controls. |
| 259/BOM/87 | Do. | Annular Stator Core Construction. |
| 260/BOM/87 | Do. | Permanent Magnet Generator Apparatus. |
| 261/BOM/87 | Do. | Regulated alternator with positive fault related shut down apparatus. |
| 262/BOM/87 | Ande Murali | Novel coating or covering composition for use in electronic circuits or for vehicles. |

17-8-1987

- | | | |
|------------|------------------------------|---|
| 263/BOM/87 | K. M. V. Explosives Limited. | A continuous process of preparing emulsions for explosives. |
|------------|------------------------------|---|

APPLICATIONS FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH, 61, WALLATAH ROAD,
MADRAS-600 002

24th August 1987

- 610/Mas/87. The K.C.P. Limited. Process and plant for treating distillery effluent.
- 611/Mas/87. R. Jagdish Kumar, G.L. David Krupadanam & G. Srimannarayana. A facile phase-transfer catalysed synthesis of coumaphos [O, O-Diethyl-O-(3-Chloro-4-methyl-7-coumarinyl) Phosphorothioate].
- 612/Mas/87. R. Jagdish Kumar, G.L. David Krupadanam & G. Srimannarayana. "A new and facile synthesis of 4, 5, 8-Trimethylpsoralene (Trioxasalen)".

- 613/Mas/87. Ireco Incorporated. Electric detonator with static electricity suppression.

- 614/Mas/87. Liang Tung HU. Flow regulator for drip infusion.

- 615/Mas/87. M S S Agricultural Packaging (Industries) Ltd. Collapsible Plastic container.

- 616/Mas/87. Minnesota Mining and Manufacturing Company. Marking tape with wire conductors and methods for use.

The 25th August, 1987

- 617/Mas/87. Reckitt & Colman Products Limited. A method for the treatment of textile surfaces and compositions for use therein. (August 28, 1986; United Kingdom).

618/Mas/87. American Telephone & Telegraph Company.
Methods of soot overlapping an optical preform.

619/Mas/87. The South India Textile Research Association.
An electronic device for measuring static and kinetic friction coefficient of yarn and filaments with respect to reference surfaces.

620/Mas/87. Melika Industrial Co., Ltd. & Rong-Chao Chuang.
Forward direction closing safety valve device for automatically shutting the gas pipeline passage off during pressure reducing failure.

621/Mas/87. Mannesmann Aktiengesellschaft. Plant for surface treating or finishing bands or sheets continuously passed therethrough particularly continuous pickling plant.

The 26th August, 1987

622/Mas/87. Gerard Guy. A unit for in-line treatment of metal products.

The 27th August, 1987

623/Mas/87. Parameswaram Pillai, Sivasankara Pillai. A process for the treatment of effluents from rayon and paper pulp mills employing the acidic effluent from sulphate route titanium dioxide plants.

624/Mas/87. Monsanto Company. Moisturized compositions of hydrate-forming phosphates and methods for preparation thereof.

ALTERATION OF DATE

161180. Ante dated to 13th January, 1981.
(57/Mas/84)

161193. Ante dated to 31st October, 1981.
(457/Mas/84)

161212. Ante dated to 30th January, 1982.
(798/Del/84)

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period, not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS : 32-E

161180

Int. Cl. : C 08 f 1/00.

A PROCESS FOR THE HOMOPOLYMERISATION OR COPOLYMERISATION OF ALPHA OLEFINS.

Applicant : ANIC S.P.A., AN ITALIAN COMPANY, VIA M. STABILE, 216, PALERMO, ITALY; & SNAM-PROGETTI S.P.A., AN ITALIAN COMPANY, OF VENEZIA, 16, MILAN, ITALY.

Inventors : (1) AGOSTINO BALDUCCI, (2) MARGHERITA CORBELLINI, (3) MIRKO OSELLAME.

Application No. 57/Mas/84 filed January 31, 1984.

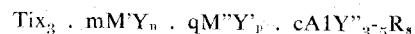
Divisional to Patent Application No. 32/CAL/81 153579.

(Ante-dated to 13th January, 1981).

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims. No. drawing.

A process for the homopolymerisation or copolymerisation of alpha olefins, wherein the polymerisation is carried out in the presence of a catalyst system comprising (a) a co-catalyst having the general formula



wherein X, Y, Y' and Y'', which are the same or different, are each a halogen atom, M' and M'' are different metals, m and q are each zero or more (with the proviso that they are not both zero), c is more than zero, n and p are the valencies of M' and M'' respectively, s is from 0 to 3, and R' is a hydrocarbon radical and (b) an aluminium compound having the general formula: $\text{AlR}''_p\text{X}_{3-p}$ wherein R'' is a hydrocarbon radical, X is a halogen atom and p is a number from 1 to 3.

Comp. 12 pages.

CLASS : 62-C1

161181

Int. Cl. D 06 p 1/38.

PROCESS FOR DYEING SILK OR SILK-CONTAINING FIBRE BLENDS.

Applicant : CIBA-GEIGY AG. OF KLYBECKSTRASSE 141, 4002, BASLE, SWITZERLAND, A SWISS CORPORATION.

Inventor : RUDOLF ROHRER.

Application No. 208/Mas/84 filed April 21, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 claims

A process for dyeing silk or silk-containing fibre blends with reactive dyes, which comprises using one reactive dye of the formula (I) or a mixture of two or more reactive dyes of the formula (I)



wherein D is the radical of a sulfo group containing dye of the mono or polyazo or anthraquinone series, (Y)_n, where n is 1 to 4, denotes the 2, 4-difluoro-5-chloropyrimidin-6-yl radical, and

(a) dyeing said material with said dye or dye mixture in an aqueous medium at a liquor to goods ratio of 1:50 to 1:150, at a pH from 8 to 10 in a temperature range from 20° to 40°C for 6 to 48 hours, or

(b) impregnating said material with said dye or dye mixture in an aqueous medium optionally containing wetting agents, thickeners and neutral inorganic salts, at a liquor to

goods ratio of 1:0.7 to 1:1.3, at a pH from 8 to 10, and storing the impregnated goods in the moist state for 6 to 48 hours at a temperature from 20 to 60°C.

Comp. 29 pages. Drgs. 65 sheets.

CLASS : 39 L & 141 C.

161182

Int. Cl. : C 22 b 1/00 ; C 01 9 23/00.

PROCESS FOR MAKING CONCENTRATED TITANIUM DIOXIDE.

Applicant : HOECHT AKTIENGESellschaft, OF D 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY, CHEMICAL MANUFACTURERS, A CORPORATION ORGANIZED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) KLAUS JODDEN, (2) FRIEDRICH-WILHELM DORN, (3) GERO HEYMER (4) HANS-WERNER STEPHAN.

Application No. 356/MAS/84 filed May 16, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 claims

Process for making titanium dioxide concentrate from material containing titanium dioxide and iron oxide which comprises : treating the material containing titanium oxide and iron oxide at a temperature of 600 to 1100°C in the presence of a reductant selected from the group consisting of hydrogen, natural gas, carbon monoxide and carbon or mixtures thereof with the resultant partial reduction of the iron oxide present in said material to metallic iron, up to 62.9% by weight of the iron present in said material being reduced to the metallic state; chlorinating the material containing titanium dioxide, iron oxide and metallic iron with the use of a gas containing at least 70 volume % chlorine at a temperature of 500 to 1100°C in an exothermic reaction so as to volatilize ferric chloride therefrom and washing out the chlorinated material with water with the resultant formation of a concentrate containing at least 90% TiO_2 .

Comp. Specn. 13 pages. Drg. nil.

CLASS : 172 D3

161183

Int. Cl. : D 01 h 15/00.

A TRAVELLING PIECING APPARATUS.

Applicant & Inventor : MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND OF CH-8406 WINTERTHUR, SWITZERLAND.

Application for Patent No. 366/Mas/84 filed May 19, 1984.

Convention date on 20th May, 1983/8313993. (U.K.) and 20th May, 1983/8333471/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

26 claims

A travelling piecing apparatus with a machine of the type described comprising means for separating said nip rolls, means for forming a yarn reserve in a seed yarn and operable controllably to release said reserve for back feed into the spinning unit, means for initiating operation of said feed means, and control means responsive to the condition of the spinning unit and to initiate

operation of the feed means.

operation of said yarn reserve means to release said reserve and

re-engagement of said nip rolls to effect withdrawal of seed yarn and newly spun yarn pieced thereto.

said central means including timing means to cause initiation of said re-engagement after a settable time delay starting from a predetermined timing reference.

Comp. Specn. 64 pages. Drgs. 9 sheets.

CLASS : 172 C4, 172 D4 & 172 D6

161184

Int. Cl. : D 01 9 21/00.

DRAWING FRAME

Applicant : MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406 WINTERTHUR, SWITZERLAND.

Inventor : KURT RÖDER.

Application No. 385/MAS/84 filed May 25, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 claims

Drawing frame with a sliver infeed table and a sliver infeed arranged at right angles thereto for guiding the slivers into the drafting arrangement, characterised in that the slivers from an upper guide plane and parallel to the said upper guide plane are guided by means of a guiding surface into a lower guide plane through a right angle, the cans to be emptied and the empty cans are arranged in a ready by position, parallel to each other at right angles to the sliver infeed the drawframes are disposed in a sequential arrangement one after another in the direction of the sliver infeed, the can rows of the passages (A and B) take up a disposition parallel to each other, and in that between the drawframes a respective standby row (R) of full cans is arranged parallel to an immediately in front of the cane to be emptied.

Comp. Specn. 8 pages.

Drg. 1 sheet.

CLASS : 27 L

161185

INT. CL. : F 04 c 5/08

"IMPROVEMENTS IN TENDONS FOR POST TENSIONED PRE-STRESSED CONCRETE STRUCTURES"

Applicant : PSC FREYSSINET LIMITED, A BRITISH COMPANY, OF THE RIDGEWAY, IVER, BUCKINGHAMSHIRE, ENGLAND, SLO 9 JE.

Inventors : ALAN JAMES HARRIS, 2. GORDON ERNEST RONALD WRIGHT.

Application for Patent No. 388/Mas/84 filed on 25th May 1984.

Convention date on 25th May 1983 No. 83 14 417. (U.K.)

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

A tendon for use in a post tensioned pre-stressed concrete structure, comprising a high tensile steel strand (as herein defined) encased in protective metal sheath, there being provided in quiescent condition between the strand and sheath a material having a latent hardening property and an activator therefor, the arrangement being such that by the strand being moved in relation to the sheath the activator is activated to induce hardening of the hardenable material.

Comp. spe. 12 pages

Drg. 1 sheet

CLASS : 70 B

161185

INT. CL. : B 01 k 3/06

AN ELECTRODE FOR USE IN AN ELECTROCHEMICAL CELL

Applicant : THE DOW CHEMICAL COMPANY, a corporation organised and existing under the laws of the State of Delaware, of 2030 Dow Center, Abbeville Road, Midland Michigan 48640, U.S.A.

Inventors : (1) R. NEAL BEAVER, (2) LLOYD E. ALEXANDER AND, (3) CARL E. BYRD.

Application No. 393/Mas/84 filed May 29th, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims

An electrode for use in an electrochemical cell, comprising a layer of an electro-conductive metal substrate and an electrocatalytically active coating tightly adhered to the substrate, wherein said coating is a heterogeneous metal oxide coating of NiO and a platinum group metal oxide, optionally the heterogeneous metal oxide coating containing a modifier metal oxide and having a layer of nickel between the electroconductive metal substrate and the heterogeneous metal oxide coating.

Compl. spec. 25 pages

Drg. one sheet

CLASS : 76E

161187

Int. Cl. : B 29 c 17/02

A METHOD OF MANUFACTURING AN ASSEMBLAGE OF FASTENERS.

Applicant & Inventor : DENNISON PLC., A COMPANY REGISTERED UNDER THE LAWS OF ENGLAND OF COLONIAL WAY, WATFORD, HERTFORDSHIRE W02 40Y, ENGLAND.

Application for Patent No. 408/MAS/84 filed on June 2, 1984.

Convention date on 28th June, 1983/8317463/U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 claims

A method of manufacturing an assemblage of fasteners which comprises :

- (a) moulding the assemblage as a set of connected individual fasteners, each individual fastener including an end member which is joined by a filament,
- (b) stretching the individual fasteners, and
- (c) during the said stretching locating a heated probe adjacent to or in contact with the filament of each of said fasteners.

Compl. Specn. 15 pages. Drgs. 5 sheets.

CLASS 103 & 155 D.

161188

Int. Cl. : 29 d 9/00.

A POLYMER LAMINATE FOR THE PROTECTION OF MOTOR VEHICLE BODIES.

Applicant : STAUFFER CHEMICAL COMPANY, OF WESTPORT, CONNECTICUT 06881, U.S.A., A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF CONNECTICUT, U.S.A.

Inventors : 1) JOHN HUTCHESON DEATCHER AND (2) JAGADISH CHANDRA GOSWAMI.

Application No. 409/MAS/84 filed June 4, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 claims

A laminate for the protection of motor vehicle bodies comprising essentially the following :

- (a) a film having a thickness of at least 200 microns comprising an internally plasticized vinyl chloride copolymer resin having a glass transition temperature (T_g) of from -10°C to 30°C and an effective amount of a polymeric additive such as herein described to enhance the flexibility characteristics of the film; and

(b) a layer of pressure sensitive adhesive such as herein described attached to one side of the film.

Compl. Specn. 22 pages.

Drg. 1 sheet

CLASS : 70 C 4.

161189

Int. Cl. : B 01 k 3/00.

"A METHOD FOR PRODUCING A LOW HYDROGEN OVERVOLTAGE CATHODE".

Applicant : KANEGAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA OF 2 -4, 3-CHOME, NAKANOSHIMA, KITA -KU, OSAKA -SHI, JAPAN, A JAPANESE COMPANY.

Inventors : 1. YASUHI SAMEJIMA, 2. MINORU SHIGA, 3. KIYOSHI YAMADA, 4. TAKAMICHI KISHI AND 5. TOSHII KANO.

Application for Patent No. 454/Mas/84 filed on 23rd June, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Madras Branch.

8 claims

A method for producing a low hydrogen over-voltage cathode which comprises using a codeposit plating tank in which an anode and an object to be plated of a non-perforated flat structure are positioned in parallel with each other, supplying a dispersant slurry through one side of the tank to thus allow it to flow in a space formed between the anode and the object, then removing the slurry through the opposite side, whereby codeposit plating is applied to only one surface of the object.

Compl. Specification 25 pages. Drgs. 2 sheets.

CLASS : 24 B.

161190

Int. Cl. : F 16 d 59/00, 65/00.

IMPROVEMENTS IN SELF INERGISING DISC BRAKES.

Applicant & Inventor : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF GREAT KING STREET, BIRMINGHAM-19, ENGLAND.

Application No. 410/Mas/84 filed June 5, 1984.

Convention date 11th June, 1983 (8316026) United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

12 claims

A disc brake in which a rotatable friction disc provided with linings of friction material is adapted to be brought into engagement with a radial surface in a housing by means of a pressure plate centered by stationary pilot lugs in the housing, balls are located in co-operating oppositely inclined recesses in the adjacent faces of the pressure plate and a reaction member, and the application of the brake is initiated by moving the pressure plate angularly, the pressure plate then moving relatively axially into engagement with the friction disc which is thereby urged into engagement with the radial surface, and the pressure plate thereafter being carried round with the friction disc to provide a serve action, and in which at least a lining of friction disc to provide a serve action, and in which at least a lining of friction material of the friction disc which is adapted for engagement with the pressure plate is separated into annular rings by a single annular groove, and the groove is substantially coincident with a pitch circle of constant diameter upon which the recesses in the pressure plate lie in angularly spaced relationship.

Compl. Specn. 14 pages. Drgs. 5 sheets.

CLASS : 123.

161191

2 Claims

Int. Cl. : C 05 c 1/02.

A METHOD OF MAKING FERTILIZER PARTICLES WITH A PROTECTIVE COATING.

Applicant : MISSISSIPPI CHEMICAL CORPORATION, YAZOO CITY, MISSISSIPPI 39194, U.S.A., A COMPANY INCORPORATED UNDER THE LAWS OF U.S.A.

Inventors : (1) DOUGLAS PASCAL SIMMS AND (2) JOSEPH MICHAEL DOBBS.

Application No. 420/MAS/84 filed June 8, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7 claims

A method of making fertilizer particles with a protective coating, comprising :

applying a mixture prepared by combining at least one amine compound containing from 8 to 18 carbon atoms having a melting point from 43°C to 93°C, which is selected from the group consisting of primary, secondary or tertiary, straight or branched chain aliphatic amines, saturated polyamines and saturated cyclic amines at a temperature at or above the melting point of the amine and a siloxane having a melting point from 43°C to 93°C which is substituted by lower alkyl, lower alkoxy and lower alkylamine groups or a siloxane having a cyclic structure in a weight ratio of amine to siloxane of from 5 : 95 to 95 : 5 over a temperature ranging from 43°C to 93°C, to said fertilizer particles.

Compl. Specn. 43 pages.

Drg. 1 sheet.

CLASS : 172 E & 203

161192

Int. Cl. : D 01 g 27/00.

WINDING APPARATUS FOR FORMING LAPS.

Applicant : MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406 WINTERTHUR/SWITZERLAND.

Inventors : RENE SCHMID, HERMANN KREHL.

Application No. 437/MAS/84 filed June 15, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

17 Claims

Winding apparatus for forming laps with at least one rotatable winding roller and a number of calender rolls in an arrangement relating to the winding roller for consolidating a fibre layer to a windable web, characterised in that the calender rolls are movable within a range by means of a guide means and in that the said range is defined by a rest position and an operating position of the calender rolls and in that the guide means move the calender rolls automatically into the rest position, as well as in that the guide means is a force-producing means.

Compl. specn. 21 pages.

Drg. 7 sheets

CLASS : 32-F.2(c)

161193

Int. Cl. : C 07 f 9/02.

STAUFFER CHEMICAL COMPANY, A CORPORATION UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF WESTPORT, CONNECTICUT, U.S.A.

Application No. 457/Mas/84 filed June 25, 1984.

Divisional to Patent Application No. 1214/CAI/81 dated October 31, 1981.

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

A method of preparing trialkylsulfoxonium salts of N-phosphonomethylglycine having the formula shown in fig. 1 of the accompanying drawings wherein R¹ represents C₁-C₄ alkyl and n is one by reacting in a known way N-phosphonomethylglycine with trialkylsulfoxonium halide.

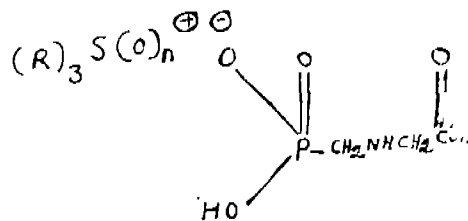


FIG. 1

Com. specn. 14 pages.

Drg. 1 sheet

CLASS : 157 A₁, A₂, & 157 F

161194

Int. Cl. : E 01 b 7/00, E 01 b 23/06, 25/06,
B 61 I 5/00.

A RAIL SWITCHING CONSTRUCTION FOR A RAILWAY TURNOUT OR CROSSING.

Applicant and Inventor : VLADIMIR OSREDECKI, AN AUSTRALIAN CITIZEN, OF LOT 3808, PARDOO STREET, WEDGEFIELD, SOUTH HEDLAND, WESTERN AUSTRALIA, AUSTRALIA.

Application for Patent No. 468/Mas/84 filed on 28th June, 1984.

Convention date on 29th June, 1983./PG 0038/Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

10 Claims

A rail switching construction at the intersection of the rail of one track with a rail of another track to permit a vehicle to pass through the intersection on either track, comprising a unitary stationary base structure extending through the intersection, an end portion of each of the intersecting rails rigidly secured to the base structure, said base structure rigidly secured to the respective end portions of at least one of the rails on either side of the intersection, a unitary stock rail assembly including two side stock rails, said stock rail assembly being supported on the stationary base structure for pivotal movement relative thereto about a vertical axis located adjacent one end of said two stock rails, said unitary stock rail assembly and said pivotal attachment being arranged so that in a first position of the stock rail assembly one stock rail forms a track continuation between a first two of said end portions of the intersecting rails, one at each end of the base structure and in a second position the other stock rail forms a track continuation between a second two of said end portions, one of which is not one of said first two end portions, and selectively operable means to effect the pivotal movement of the stock rail assembly between said two positions.

Compl. Specn. 14 pages.

Drgs. 3 sheets.

CLASS : 33 E & 33 F

161195

Int. Cl. : B 22 d 3/00, 5/00.

MOLD TRANSFER ASSEMBLY.

Applicant : AMSTED INDUSTRIES INCORPORATED, 3700 PRUDENTIAL PLAZA, CHICAGO, ILLINOIS 60601, A CORPORATION OF DELAWARE U.S.A.

Inventors : LYMAN WOOD JEFFREYS.

Application No. 507/Mas/84 filed July 13, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims

A mold transfer assembly for the manufacture of cast metal articles comprising :

a mold transfer apparatus including a top frame and two sets of depending legs extending therefrom and supported thereby;

a bridge structure;

said top frame mounted on and movable along said bridge structure;

a pouring tank containing a ladle, said pouring tank being pressurized to permit the upward pouring of molten from the ladle therein, said pouring tank positioned at a pouring station under said bridge structure;

one set of said depending legs of said mold transfer apparatus adapted to move an empty mold from a pick up location to said pouring station, and the second set of depending legs of said mold transfer apparatus adapted to simultaneously move a filled mold from said pouring station to a set down location;

said bridge structure having fixed thereto a holding means to hold said mold at said pouring station to permit the empty mold to begin being filled after being positioned at said pouring station.

Compl. specn. 10 pages.

Drg. 1 sheet

CLASS : 154 D

161196

Int. Cl. : B01f 3/00, 5/00.

FOAM GENERATOR.

Applicant : STORK BRABANT B.V. A NETHERLANDS LIMITED LIABILITY COMPANY OF 43a WIM DE KORVERSTRAAT, 5831 AN BOXMEER, THE NETHERLANDS.

Inventor : BLAAK, Mr. CORNELIS.

Application for Patent No. 595/Mas/1984 filed on 9th August, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims

A foam generator for producing a liquid/gas emulsion having a specific weight of at least 0.1 and comprising a hollow cylindrical stator and a cylindrical rotor coaxially rotatably driven therein, jointly forming a mixing chamber wherein there are disposed alternately in the direction of the longitudinal axis stator and rotor rings of pins having a constant polygonal cross section, said mixing chamber further more being provided at one end with an inlet for the liquid and for the gas, there being provided at the other end an outlet opening for the emulsion prepared, the mixing chamber of the foam generator having a sectional area (Q) between the range of 40 and 90 Cm², said generator having a vortex-line density coefficient (VLOC) being the quotient of :

total vortex line length

volume of mixing chamber

and amounting at least to 1.5.

Compl. specn. 11 pages.

Drg. 1 sheet

CLASS : 116 G & B

161197

Int. Cl. : B65g 35/00, 49/00.

GATE FOR SPLITTING A FLOW OF GRANULAR MATERIAL.

Applicant : F. L. SMITH & CO. A/S. A DANISH COMPANY OF 77, VIGERSLEV ALLE, DK-2500 VALBY, COPENHAGEN, DENMARK.

Inventor : HENRIK WEST.

Application for Patent No. 601/Mas/84 filed on 10th August 1984.

Convention date on 12th August, 1983. No. 8321732 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims

A splitting gate for dividing in an adjustable manner a flow of granular material into at least two material flows, the gate comprising an inlet pipe and two or more outlet pipes, the outlet pipes each leading downwards from a respective opening in a substantially horizontal and substantially circular surface and adjacent openings being separated by a respective strip in the surface; and an intermediate piece between the inlet pipe and the surface, forming a closed passage which is coupled at one end to the inlet pipe, and which, at the other end, discharges over at least part of one or more of the openings in circular surface, characterized in that the axis of the inlet pipe is in a vertical plane intersecting the circular surface along a diameter, and in that there is a substantially plane baffle plate in the intermediate piece the plate being pivotal about a vertical axis and the plane of the plate intersecting the surface along a chord and being inclined to the axis of the inlet pipe so that material discharged from the inlet pipe impinges on the plate.

Compl. specn. 11 pages.

Drg. 3 sheets

CLASS : 126 B & 126 D

161198

Int. Cl. : C01v 1/00.

A MEASURING DEVICE FOR A SEISMIC PROFILE WITHIN A WELLBORE.

Applicant : SOCIETE NATIONALE ELF AQUITAINE (PRODUCTION), A FRENCH BODY CORPORATE, OF TOUR AQUITAINE, F 92400 COURBEVOIA, FRANCE.

Inventors : (1) PHILIPPE STARON AND (2) PIERRE GROS.

Application No. 804/Mas/84 filed October 27, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims

A measuring device for a seismic profile within a well-bore, of the type comprising :

transmission means placed at the ground surface and cable of delivering transmission signals having a frequency spectrum within the range of 5 to 500 Hz, a tool body placed within the well-bore and connected to the transmission means by a conductor cable;

at least one geophone mounted on elastic members which are connected to said tool body;

the function of said geophone being to detect sound waves generated by said transmission signals after propagation within subsurface strata which exhibit natural elasticity at the level of the geophone;

means for recording and processing the electric signals delivered by said geophone in response to the sound waves received;

the connection between said geophone and the recording and processing means placed at the ground surface being provided through said cable;

characterized in that the elastic members are constituted by means which are flexible in at least two directions and interposed between the geophone and application means connected to the tool body and intended to apply said geophone against the wall of the well-bore during each detection of said waves;

that the elasticity of said flexible means is at least equal to the lowest degree of elasticity of the subsurface stratum traversed by the well-bore; and

that the resonance frequency of the mass of the geophone with said flexible means is equal at a maximum to the resonance frequency of said mass of the geophone with the lowest degree of elasticity aforesaid.

Compl. specn. 20 pages.

Drg. 1 sheet

CLASS : 32-F.2(b)

161199

Int. Cl. : C 07 d 53/00; 87/00; 93/00.

PROCESS FOR THE PREPARATION OF AN AROMATIC OXAZEPINONES, THIAZEPINONES AND DIAZEPINONES.

Applicant: A. H. ROBINS COMPANY INCORPORATED, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF VIRGINIA, OF 1405, CUMMINGS DRIVE, P.O. BOX 26609, RICHMOND, VIRGINIA-23261-6609, U.S.A.

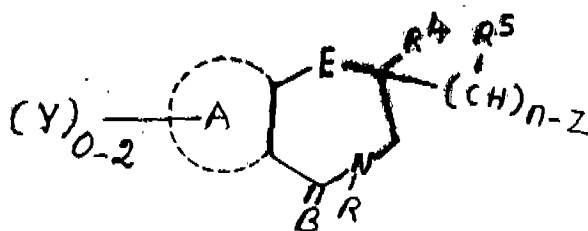
Inventor : ALBERT DUNCAN CALE.

Application No. 65/Mas/85 filed January 25, 1985.

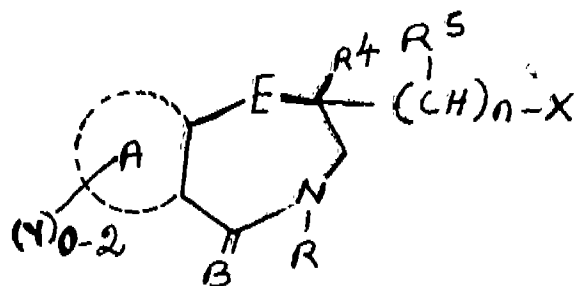
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

95 Claims

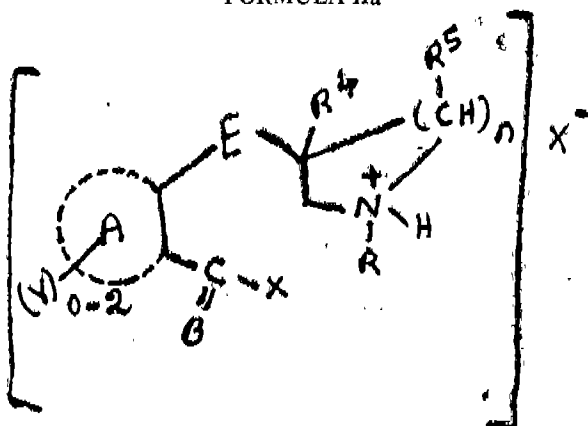
A process for the preparation of an aromatic oxazepinone, thiazepinone or diazepinone of the formula I shown in the accompanying drawings wherein.



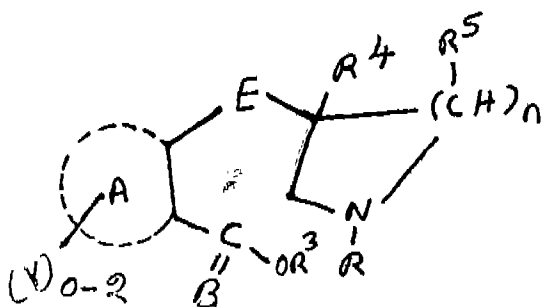
FORMULA-I



FORMULA-IIa



FORMULA-III



FORMULA-IVb

A' represents an aromatic ring having two if its carbon atoms held mutually with the oxazepinone, thiazepinone or diazepinone moiety selected from the group consisting of benzene, naphthalene a quinoline or a pyridine in any of its four positions, any of the rings optionally substituted by zero to two Y radicals selected from the group consisting of halo, loweralkyl, loweralkoxy, diloweralkylamino, nitro or trifluoromethyl;

E' is selected from oxygen, sulfur or loweralkyl;



B' is selected from oxygen or sulfur;

R is selected from the group consisting of hydrogen, loweralkyl, cycloalkyl, or phenyl-loweralkyl of which phenyl may be optionally substituted by one or two radicals selected from halo, loweralkyl, loweralkoxy, nitro or trifluoromethyl;

n is 1, 2 or 3;

R⁴ and R⁵ are selected from hydrogen or loweralkyl (1-5C);

Z is selected from the group consisting of —NR¹R², 1H-pyrazol-1-yl, 1H-imidazol-1-yl, 1H-imidazol-2-yl, or 4, 5-dihydro-1H-imidazol-2-yl;

R¹ and R² are selected from the group consisting of hydrogen loweralkyl, cycloalkyl and phenyl-loweralkyl of which phenyl is optionally substituted by 1 or 2 radicals selected from halo, loweralkyl, loweralkoxy, nitro, trifluoromethyl or cyano, or R¹ and R² taken together with the adjacent nitrogen atom may form a hetero-cyclic residue selected from the group consisting of 1-azetidiny, 1-pyrrolidiny, 2, 5-dimethylpyrrolidin-1-yl, 2-methyl-pyrrolidin-1-yl, 1-piperidiny, 4-substituted piperidine-1-yl, 4[bis(4-fluorophenyl)methyl] piperidin-1-yl, 1, 2, 3, 6-tetrahydropyridin-1-yl, or 1H-pyrol-1-yl or 2, 5-dihydro-1H-pyrrrol-1-yl and the pharmaceutically acceptable salts thereof with the proviso that when R is hydrogen, Z is not a primary or secondary amine and a further proviso that when n=3, Z is not pyrazol-yl or imidazolyl which comprises :

halogenating by known methods a compound of the formula IV_b of the drawings wherein

A represents an aromatic ring selected from benzene, naphthalene, a quinoline or a pyridine in any of its four positions, any of the aromatic rings optionally substituted by zero to two Y-radicals selected from halo, loweralkyl, loweralkoxy, diloweralkylamino, nitro or trifluoromethyl;

E is oxygen, sulfur or loweralkyl;



R is selected from the group consisting of loweralkyl, cycloalkyl, or phenyl-loweralkyl of which phenyl may be optionally substituted by one two radicals selected from halo, loweralkyl, loweralkoxy, nitro or trifluoromethyl.

R⁴ is hydrogen or an acid neutralizing ion and R⁴ and R⁵ are hydrogen or loweralkyl (1-5C); and n is 1, 2 or 3 to give a compound of the formula III of the drawings or its free base wherein X is chlorine or bromine and A, E, R, R⁴ and R⁵. Y and n are the same as the starting values.

Cyclising by known methods the said compound of formula III to give a compound of the formula IIa of the drawings, wherein A, E, R, R⁴, R⁵, n, X and Y are as defined above and A now has two of its carbon atoms held mutually with the oxazepinone, thiazepinone or diazepinone moiety,

reacting the said compound with a compound of the formula



wherein Z is selected from —NR¹N², 1H-pyrazol-1-yl, 1H-imidazol-1-yl, 1H-imidazol-2-yl, or 4, 5-dihydro-1H-imidazol-2-yl and wherein R¹ and R² are selected from hydrogen, loweralkyl, cycloalkyl and phenyl-loweralkyl of which phenyl

may be optionally substituted with 1 or 2 radicals selected from halo, loweralkyl, loweralkoxy, nitro, trifluoromethyl or cyano or R¹ and R² taken together with the adjacent nitrogen atom may form a heterocyclic residue selected from the group consisting of 1-azetidiny, 1-pyrrolidinyl, 2, 5-dimethylpyrrolidin-1-yl, 2-methylpyrrolidin-1-yl, 1-piperidinyl, 4-substituted piperidin-1-yl, 1-morpholinyl, 4-bis(4-fluorophenyl)methyl-piperidin-1-yl, 1-piperazinyl, 4-substituted piperazin-1-yl, 1, 2, 3, 6-tetrahydropyridin-1-yl, 1H-pyrrol-1-yl, 2, 5-dihydro-1H-pyrrol-1-yl or phthalimidyl to give a compound of the formula I of the drawings if desired, converting the said compound of formula I to its pharmaceutically acceptable salts by known methods.

Compl. specn. 167 pages.

Drg. 18 sheets

CLASS : 83 A2 & 83 B 5

161200

Int. Cl. : A 23 c 19/00.

"PROCESS FOR THE MANUFACTURE OF HIGHER-SOLIDS CHEESE".

Applicant : KRAFT, INCORPORATED, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF KRAFT COURT, 801 WAUKEGAN ROAD, GLENVIEW, ILLINOIS 60025, U.S.A.

Inventors : 1. JAMES WILLIAM MORAN. 2. JAMES RICHARD POSDAL, 3. GARY WILLIAM TRECKER.

Application for Patent No. 674/Mus/85 filed on 29th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

13 Claims

A process for the manufacture of higher-solids cheese such as hereinbefore described from milk comprising the steps of :

- (a) removing moisture, salts and lactose from the milk to provide a retentate having between 50 per cent and 83 per cent moisture, between 0.7 per cent and 2.5 per cent salts, and less than 1.8 per cent lactose;
- (b) adding known cheese-making cultures to the retentate and fermenting the retentate to a PH of between 5.6 and 4.8 without coagulation;
- (c) adding a known milk clotting enzyme in a non-coagulating amount but in an amount sufficient to convert at least 65 per cent of the kappa casein to para kappa casein after evaporation and curing as herein described;
- (d) evaporating moisture to a total solids content of more than 55 per cent; and to provide a pre-cheese;
- (e) holding the pre-cheese under curing conditions until para kappa casein has been formed.

Compl. Specn. 24 pages.

Drg. Nil.

CLASS : 129-N

161201

Int. Cl. : B 23 k 35/30.

IMPROVED METHOD OF PREPARING DIRECT SOLDERED ELECTRICAL CONTACT MATERIAL.

Applicant : DEGUSSA AKTIENGESellschaft OF POSTFACH 1345, RODENBACHER CHAUSSEE 4, D-6450 HANAU 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. WILLI MALIKOWSKI, 2. ROGER WOLMER, 3. DR. WOLFGANG BOHM.

Application No. 1061/Cal/83 dated August 31, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

An improved method of preparing direct soldered silver contact material made of silver in the form of oxide soldered to a contact carrier having a soldering layer therein which comprises soldering said silver oxide onto said carrier material using a layer of solder material consisting of silver and copper in amounts of 29 to 35% by weight and palladium in amounts of 0.1 to 5% by weight, based on the weight of the soldering material, balance being silver.

Compl. specn. 6 pages.

Drg. Nil

CLASS : 140A2

161202

Int. Cl. : C10m 1/08.

"IMPROVED LUBRICANT OF FUNCTIONAL FLUID COMPOSITION".

Applicant : THE LUBRIZOL CORPORATION, OF 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO-44092, U.S.A., A CORPORATION OF THE STATE OF OHIO, U.S.A.

Inventor : KENT BOYCE GROVER.

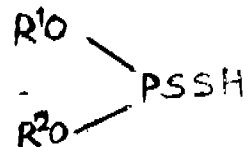
Application for Patent No. 237/Del/1984 filed on 14th March, 1984.

Appropriate office for opposition proceedings (Rule 4, Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

25 Claims

An improved lubricant or functional fluid composition for the purpose as herein described which comprises a lubricant oil or functional fluid of the kind as herein described in combination with an additive composition comprising :

- (A) at least one metal salt of a mixture of acids composed of ;
- (i) at least one acid of the Formula I



wherein R¹ and R² are the same or different and each of R¹ and R² is a hydrocarbon-based group such as herein defined, and

- (ii) at least one aliphatic or alicyclic carboxylic acid containing from 2 to 40 carbon atoms;
- (B) at least one sulfurized Group II metal phenate; and
- (C) a stabilizing amount of at least one triazole selected from the group consisting of benzotriazole and alkyl substituted benzotriazoles containing up to 15 carbon atoms in the alkyl group.

Compl. specn. 29 pages.

Drg. 3 sheets

CLASS : 33D

161203

Int. Cl. : B22d 17/28 & 27/02.

A METALLURGICAL VESSEL FOR HIGH MELTING ALLOYS.

Applicant : VEREINIGTE EDELSTAHLWERKE AKTIENGESellschaft (VEW), OF ELISABETHSTRASSE 12, 1010 VIENNA, AUSTRIA, AN AUSTRIAN COMPANY.

Inventor : WALTER CADEK.

Application for Patent No. 392/Del/84 filed on 9th May, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

28 Claims

A metallurgical vessel for high melting alloys, especially alloys formed on the basis of nickel, steel or the like, wherein said vessel comprising a continuous wall and a bottom plate co-operating with said continuous wall to form said vessel, a vertically displaceable mould having cooling means surrounding said continuous wall, an electrode extending into said vessel, means for supplying electric current to the vessel, said continuous wall and said bottom plate holding molten metal for at least partial solidification under the action of said electric current; a plurality of solenoids arranged around the vessel formed by said continuous wall and bottom plate; a plurality of magnetic measuring sensors arranged around the vessel formed by the said continuous wall and said bottom plate; each sensor being connected to respective said solenoids, the sensors sensing intensity of flow of current from an electric power supply to the solenoids and controlling flow of current to said solenoids; said electric power supply being connected to said plurality of sensors in order to supply electric power to each one of said solenoids independently of the others.

Compl. specn. 22 pages.

Drg. 4 sheets

CLASS : 88D 47C.

161204

Int. Cl. : F 27 b-15/18.

"IMPROVED APPARATUS FOR THE FLUIDIZATION OF SOLID FUEL MATERIAL".

Applicant : CREUSOT-LOIRE, A FRENCH COMPANY, OF 42 RUE D'ANJOU, 75008 PARIS, FRANCE.

Inventor : GERARD CHRYSOSTOME & ROBERT WANG.

Application for Patent No. 399/Del/84 filed on 14th May, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

Improved apparatus for the fluidization of solid fuel material which comprises an essentially vertical fluidization reaction chamber provided with means for the supply thereto of solid fuel material, means provided at the base of said chamber for the injection therein of gas at variable flow rates in order to fluidize said solid fuel material, an outlet duct (provided at the upper end of said chamber for the gas generated by the reaction, said duct being connected to a device for the recovery of solid fuel entrained with said gas, said recovery device having an upper outlet for the exit of gas from which the solid fuel content has been removed and a lower outlet for recycling of removed solid fuel to the base of said reaction chamber, temperature monitoring and control means connected to said reaction chamber and to said recovery device for measuring the temperature of the material therein, and cooling means located within said chamber upstream of said recovery device and connected to said control means, said cooling means being activatable by said control means, the intensity of cooling being a function of the temperature of removed solid material in said recovery device.

Compl. Specn. 17 pages.

Drg. 1 sheet.

CLASS : 28E, 85-K

161205

Int. Cl. : F 23 d 19/00.

"FLUIDISED BED COMBUSTION APPARATUS".

Applicant : FLUIDISED COMBUSTION CONTRACTORS LIMITED, A BRITISH COMPANY, OF 11 THE BOULEVARD, CRAWLEY, SUSSEX RH10 1UX, ENGLAND.

Inventor : ALAN THOMAS COUCH, TERRANCE DAWSON CRUICKSHANK, WILLIAM LEWIS ERROL DAVEY, ANTHONY RONALD MARSHALL, CHRISTOPHER BROWNLOW TYDD, DAVID ROBERT WAKEFORD.

Application for Patent No. 452/Del/1984 filed on 1st June, 84.

Convention dated 3rd June, 1983, No. 8315215 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

A fluidised bed combustion apparatus arranged to be fired by flyash including a furnace chamber having tubulous walls, floor and roof connected to extend between distributor means subjacent the base of furnace chamber and collector means adjacent the roof of the furnace chamber, a lateral gas pass extending from an upper region of the furnace chamber containing a vapour generating tube bank extending between a lower, liquid, drum and an upper, vapour and liquid, drum connected to the collectors, a down pass extending from the lateral gas pass containing an economiser tube bank and an airheater and having at the base thereof a grits hopper, the downpass discharging through a bag filter means to a flue, characterised in that means for firing the flyash include chutes discharging through ports in the furnace chamber walls closely superjacent the floor and inclined chutes extending through the furnace chamber walls at an intermediate level to discharge closely superjacent the floor at locations spaced from the walls, the inclined chutes being surrounded by tube lengths extending from the floor connected into respective tubulous walls, and a windbox subjacent the floor discharging fluidising air from the air heater through nozzles extending through the floor to form a fluidised bed of the flyash.

Compl. specn. 12 pages.

Drgs. 3 sheets

CLASS : 103.

161206

Int. Cl. : C 23 f 11/00.

"A PROCESS FOR THE PREPARATION OF NOVEL SCALE INHIBITING COPOLYMER".

Applicant : THE B. F. GOODRICH COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, OF 277 PARK AVENUE, NEW YORK, NEW YORK 10017 AND WITH BUSINESS OFFICES AT 500 SOUTH MAIN STREET, AKRON, OHIO 44318, U.S.A.

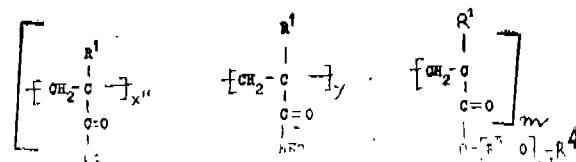
Inventors : WILLIAM FRANK MASLER III & ZAHID AMJAD.

Application for Patent No. 476/Del/1984 filed on 12th June, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A method for the manufacture of a copolymer of general formula (VII)



FORMULA-VII

wherein X represents H, NH₄, or an alkali metal selected from the group consisting of sodium and potassium;

R¹ represents H, or methyl;

R^* represents lower alkyl having from 2 to 4 carbon atoms;
 R^4 represents lower alkyl having from 1 to 10 carbon atoms;
 n is an integer in the range from 2 to 6;

m is an integer in the range from 3 to 70, and, for each y (that is, $y = 1$) x is an integer in the range from 1 to 8, and z is a number in the range from 1 to 0.075; and x , y and z are present in relative heterogeneous order which comprises reacting (i) acrylic acid or methacrylic acid, (ii) acrylamide or methacrylamide and (iii) an alkoxy-alkyl (meth) acrylate ester in water as the only solvent for them, at a temperature in the range from 30°C to the reflux temperature of the solution, so as to form an aqueous solution of said copolymer.

Compl. Specn. 30 pages.

Drgs. 2 sheets

CLASS : 32E

161207

Int. Cl. : C 08 f 1/00.

"A PROCESS FOR PREPARING ELASTOMERIC COPOLYMERS".

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., A NETHERLANDS COMPANY, OF CAREL VAN BYLANDT LAAN 30, 2596 HR, THE HAGUE, THE NETHERLANDS.

Inventor : ANTONIUS AUGUSTINUS BROEKHUIS.

Application for Patent No. 480/Del/84 filed on 12th June, 1984.

Convention date 13th June, 1983/8316052/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A process for preparing an elastomeric copolymer of an aromatic vinyl compound and a conjugated diene, which copolymer has a vinyl content of at least 30% by weight at a differential content of the aromatic vinyl compound at the ends of copolymer which changes in a portion of not more than 5% of the polymer chain (as determined by monomer conversion) from a first value to a second value which is at least 25 percentage points higher than the first value, and said portion lies with the initial 10% of the copolymer chain (as determined by monomer conversion), characterized in that a mixture of aromatic vinyl compound such as herein described and a conjugated diene such as herein described is subjected to solution polymerisation in the presence of a glycol ether of the formula $R^1-O-CH_2-CH_2-O-R^2$ as structure modifier wherein R^1 and R^2 are the same or different C_2-18 , alkyl groups, and on completion of polymerisation, polymer chains are coupled by means of a coupling agent such as herein described.

Compl. Specn. 17 pages.

Drgs. 2 sheets

CLASS : 61 E & D

161208

Int. Cl. : B01D 50/00, 45/00, 53/02, 53/26.

"APPARATUS FOR CLEANING AND DRYING COMPRESSED GASES".

Applicant : ALLIED CORPORATION, OF COLUMBIA ROAD AND PARK AVENUE, MORRIS TOWNSHIP, MORRIS COUNTY, NEW JERSEY, 07960, UNITED STATES OF AMERICA, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, U.S.A.

Inventors : LARRY EMIL DIENES, DAVID JOHN KNIGHT & WILLIAM ROBERT WURST.

Application for Patent No. 482/Del/84 filed on 13th July, 84.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

Apparatus for cleaning and drying compressed gases comprising an open ended housing (12), a desiccant canister (16) in said housing (12), and end cover (14) closing the open end of said housing (12), said end cover (14) defining a sump cavity (68) therewithin, an inlet port (76) carried by said end cover (14) and connected with a source of compressed gas said desiccant canister (16) cooperating with said housing (12) to define a gas receiving cavity (18) therebetween, a delivery port (72) carried by said end cover (14) and connecting with said gas receiving cavity (18), passage means (58) connecting the sump cavity (68) with the desiccant canister (16), a dump valve (110), controlling communication between said sump cavity (68) and the region around said housing, characterised in that a circuitous passage (78) carried by said end cover (14) connects the inlet port (76) with the sump cavity (68), said circuitous passage (78) being defined by side walls and a bottom wall (98, 100), said bottom wall (98, 100) canting from said inlet port (76) towards said sump cavity (68) whereby contaminants tend to drain toward said sump cavity (68).

Compl. specn. 10 pages.

Drgs. 2 sheets

CLASS : 32 B

161209

Int. Cl. : C 07 c 15/02.

"A PROCESS FOR THE PRODUCTION OF ALKYLAROMATIC HYDROCARBONS".

Applicant : UOP INC., A CORPORATION ORGANISED IN THE STATE OF DELAWARE, WITH ITS PRINCIPAL PLACE OF BUSINESS AT TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS 60016, U.S.A.

Inventor : JOEL BENNETT SPINNER.

Application for Patent No. 514/Del/84 filed on 26th June, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A process for production of alkylaromatic hydrocarbons which comprises the steps of :

- (a) contacting a first feed stream comprising a C_7 -plus olefinic hydrocarbon with a second feed stream comprising an alkylatable aromatic hydrocarbon and with an alkylation catalyst of the kind described herein in an alkylation zone operated at alkylation-promoting conditions such as herein described and thereby producing an alkylation zone effluent stream which comprises a mixture of monoalkylated aromatic hydrocarbons, dialkylated aromatic hydrocarbons and high boiling point alkylation reaction by-products; and
- (b) recovering a product stream of high purity monoalkylated aromatic hydrocarbon by fractionating the alkylation zone effluent stream in a fractionation zone in which :
 - (i) a first process stream which comprised the monoalkylated aromatic hydrocarbon, dialkylated aromatic hydrocarbons, and other high boiling point reaction by-products is passed into a first intermediate point of a first fractionation column operated at a subatmospheric pressure;

- (ii) a first net bottom stream comprising the high boiling reaction by-products, dialkylated aromatic hydrocarbons and the monoalkylated aromatic hydrocarbon is removed from the first fractionation column and passed into a second fractionation column operated at a subatmospheric pressure;
- (iii) a sidecut stream comprising the monoalkylated aromatic hydrocarbon is withdrawn from the first fractionation column at a higher second intermediate point;
- (iv) the sidecut stream is divided into at least a first portion which is withdrawn as the product stream of the process and a second portion which is passed into the second fractionation column at a point above the location at which the first net bottoms stream enters the second fractionation column;
- (v) an overhead vapor stream comprising the monoalkylated aromatic hydrocarbon is removed from the second fractionation column and passed into the first fractionation column at a point above said first intermediate point; and
- (vi) a second net bottoms stream comprising the dialkylated aromatic hydrocarbon is withdrawn from the second fractionation column and removed from the process.

Compl. specn. 24 pages.

Drg. 1 sheet

CLASS : 152E

161210

Int. Cl. : C 08 f 37/00.

"A METHOD OF FORMING SHAPED ARTICLES".

Applicant : POLYMER TECTONICS LIMITED, A BRITISH COMPANY, OF 174 GOSWELL ROAD, LONDON EC1V 7DT, ENGLAND.

Inventors : ROBERT FARKAS & LOTHAR MICHAEL HOHMANN.

Application for Patent No. 561/Del/84 filed on 10th July, 1984.

Convention date 14th July, 1983/8319106/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A method of forming shaped articles comprising moulding into shape a moulding composition comprising (i) a melamine : formaldehyde is in the range 1:1.1 to 1:5.0, (ii) a glycol or glycol derivative in an amount between 20 and 80% by weight, based on the weight of solid melamine-formaldehyde resole and (iii) optionally up to 35% by weight water, based on the melamine-formaldehyde resole, and causing the resole to cure at pH of at least 6.0.

Compl. specn. 18 pages.

CLASS : 176 I

161211

Int. Cl. : F 23 j 5,00.

"SOOT BLOWER".

Applicant : WHITE CONSOLIDATED INDUSTRIES, INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF DELAWARE, UNITED STATES OF AMERICA, WITH OFFICES AT 11770 BEREA ROAD, CLEVELAND, OHIO 44111, U.S.A.

Inventor : GERALD FRANCIS ZALEWSKI.

Application for Patent No. 73 Del/82 filed on 30th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A soot blower of the long retracting type comprising a travelling carriage rotatably supporting a lance tube and movable along a path of travel between a forwardmost working position and a rearwardmost non-working position, and means to impart traverse motion to said travelling carriage, which comprises (a) a motor means, (b) a rotatable drum-like element operatively associated with said motor means, (c) a first cable including one end fastened to said rotatable drum like element, (d) said first cable extending from said drum-like element around a pulley mounted at said rearward non-working position to said travelling carriage, (e) said first cable including a second end fastened to said travelling carriage, (f) a second cable including an end fastened to said rotatable drum like element, (g) said second cable extending from said drum-like element around a pulley mounted at said forwardmost working position to said travelling carriage, (h) said second cable including a second end fastened to said travelling carriage whereby said fastened ends of said first and second cables are fastened to said travelling carriage on opposite sides thereof, (i) said rotatable drum-like element being positioned at a location adjacent said path of travel and at the portion of said path of travel that is approximately equidistant from each of said forwardmost working position and said rearwardmost non-working position, (j) each of said first and second cables being wound through several complete turns about said rotatable drum-like element, (k) said cables being arranged and configured whereby rotation of said drum-like element will take up one of said cables onto said element and unwind the other of said cables from said element, (l) said cable being taken up by said element acting to pull said carriage, (m) whereby each of said first and second cables is of the shortest practicable length relative to the distance between the forwardmost working position and the rearwardmost non-working position.

Compl. specn. 28 pages.

Drgs. 4 sheets

CLASS : 176 I

161212

Int. Cl. : F 23 j 5,00.

"SOOT BLOWER FOR CLEANING THE INTERIOR SURFACES OF BOILER".

Applicant : WHITE CONSOLIDATED INDUSTRIES, INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, WITH OFFICES AT 11770 BEREA ROAD, CLEVELAND, OHIO 44111, U.S.A.

Inventor : GERALD FRANCIS ZALEWSKI.

Application for Patent No. 798/Del/84 filed on 16th October, 1984.

Divisional to patent application No. 73/Del/82 filed on 30-1-82.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A soot blower including a lance tube and a travelling carriage to support said lance tube and movable along a path of travel between working and non-working positions and a feed-pipe received within said lance tube in a co-axial relation thereto, a bushing arrangement mounted between said lance tube and said feed pipe which arrangement comprises (a) at least one ring-shaped bushing element mounted on the outer circumference of said feed-pipe and interposed between the co-axially located feed and lance tube, (b) said ring-shaped bushing element including an outer surface engaging the inner surface of said lance tube, (c) said outer surface of said ring-shaped bushing element having a convex

outermost surface whereby the lance tube and feed pipe may pivot with respect to one another about said outermost convex surface of the bushing element interposed therebetween with the forces developed between the lance tube and feed pipe being distributed through the convex outermost surface of said ring-shaped bushing element.

Compl. specn. 24 pages.

Drgs. 3 sheets

CLASS : 32F₂ (b).

161213

Int. Cl. : CO 7d 91.44.

Title : PROCESS FOR THE PRODUCTION OF 2, 2'-DIBENZOTHAZOLYL DISULPHIDE.

Applicant : BAYER AKTIENGESSELLSCHAFT, a body corporate organised under the laws of the Federal Republic of Germany, of Leverkusen, Bayerwerk, Federal Republic of Germany.

Inventor : ALFREDO WUST.

Application for Patent No. 580/Del/84 filed on 17th July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

Process for the production of 2, 2'-dibenzothiazolyl disulphide which comprises oxidising an alkali metal salt of 2-mercaptobenzothiazole in 8% to 50% by weight aqueous solution using chlorine or chlorine/air mixtures at temperatures of from 15 to 60°C and pH values of from 9 to 13, characterised in that the concentration of the alkali metal salt of 2-mercaptobenzothiazole at no time during the reaction amounts to less than 2.5%, by weight.

Compl. Specn. 9 pages.

CLASS : 35-F & 27-1

161214

Int. Cl. Co4 b. 5/00.

"HYDROPHOBIC COMPOSITE AND METHOD FOR ITS PRODUCTION".

Applicant : CRAIG RESEARCH LTD., a corporation organised under the laws of Canada, of 2524, Queenswood Drive, Victoria, British Columbia, Canada V8N 1Z5.

Inventor : CHARLES EDWARD CRAIG.

Application for Patent No. 583/Del/84 filed on 18th July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

25 Claims

A hydrophobic composite comprising a core material selected from the group consisting of particulate and granular material having thereon an adherent first coat comprising a film-forming polyurethane, and a second coat which is bonded to said core material by said adherent first coat, said second coat comprising a hydrophobic colloidal oxide of an element selected from the group consisting of silicon, titanium, aluminum, zirconium, vanadium, chromium iron or mixture thereof.

Compl. Specn. 20 pages.

CLASS : 83A₁.

161215

Int. Cl. : A 23 g. 3/30.

"PROCESS FOR PREPARING A NON-ADHESIVE CHEWING GUM BASE COMPOSITION".

Applicant : WARNER-LAMBERT COMPANY, of 201 Tabor Road, Mirris Plains, New Jersey 07950, U.S.A., a corporation organised and existing under the laws of the State of Delaware, U.S.A.

Inventors : SUBRAMAN RAO CHERUKURI, ELLEN MARSHALL-HELMAN FRANK THEODORE HRISCISE.

Application for Patent No. 584/Del/1984 filed on 19th July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

24 Claims

A process for preparing a non-adhesive chewing gum base composition which comprises :

A. providing the following ingredients in amounts expressed in percent by weight :

- (a) elastomer of the kind such as herein described in the amount of 10 to 30%,
- (b) elastomer solvent of the kind such as herein described in the amount of 2 to 18%,
- (c) polyvinyl acetate having a medium average molecular weight of 15,000 to 30,000 in the amount of 15 to 45%,
- (d) emulsifier of the kind such as herein described in the amount of 2.0 to 10%,
- (e) low molecular weight polyethylene having an average molecular weight of at least 2,000 in the amount of 0.5 to 15%,
- (f) waxes of the kind such as herein described having a melting point above about 170°F in the amount of 0.5 to 10%,
- (g) plasticizer of the kind such as herein described in the amount of 10 to 40%, and
- (h) fillers of the kind such as herein described in the amount of 0 to 5%.

B. agitating said elastomer by high shear mixing;

C. adding said elastomer solvent to the elastomer of step B to form a first mixture; and

D. adding to said mixture, the remainder of said ingredient;

E. wherein all of said ingredients are mixed with each other under agitation.

Compl. Specn. 28 pages.

CLASS : 134 B.

161216

Int. Cl. : B62m 13/00 & B60k 17/00 & 25/00.

"DEVICE FOR TRANSMITTING DRIVE TO AN ENGINE DRIVEN LIGHT VEHICLE".

Applicant : HONDA GIKEN KOGYO KABUSHIKI KAISHA, a Japanese Company, of No. 27-8, Jingumae 6-chome, Shibuya-ku, Tokyo, Japan.

Inventors : TAKUSHI MATSUTOH, YOSHITAKA KITAMURA, GOROEI WAKAT SUKI & TAKEO ISHIHARA.

Application for Patent No. 631/Del/84 filed on 7th August, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A device for transmitting drive to a wheel of an engine driven light vehicle, said device comprising a drive shaft extending parallel to a crankshaft of the engine, a friction roller for frictional engagement with said wheel for transmitting rotation of said wheel to said crankshaft to start said engine, said friction roller being secured on said drive shaft to be rotatively driven thereby; means interposed between said drive shaft and said crankshaft for transmitting the rotation of said drive shaft to said crankshaft with a predetermined speed ratio appropriate for starting said engine;

a one-way clutch engaging with said means to transmit the rotation of said drive shaft to said crankshaft only to start the engine; and a planetary gear train coupled to said means to transmit the rotation of said crankshaft to said drive shaft with a pre-determined reduction ratio after start of said engine the rotation of said drive shaft being transmitted to said wheel through said friction roller.

Compl. Specn. 22 pages.

Drgs. 6 sheets.

CLASS : 12 C.

161217

Int. Cl. : C21d 1/00.

"AN IMPROVED PROCESS FOR CONVERTING ORDINARY STEEL TO HIGH PERMEABILITY ELECTRICAL STEEL".

Applicant : DLF UNIVERSAL LIMITED, of 21-22 Narindra Place, Parliament Street, New Delhi-110 001, India, an Indian Company.

Inventor : ROOP CHANDRA JAIN.

Application for Patent No. 659/Del/84 filed on 16th August, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

An improved process for the converting of ordinary steel to high permeability electrical steel comprising in the step of first forming laminations, subjecting the laminations to the step of pretreatment by heating for removal of volatile impurities subjecting the laminations to the step of decarburization by heating to a temperature higher than that of the pretreatment step under a gaseous atmosphere and, thereafter, subjecting the decarburized laminations to the step of cooling characterized in that the step of cooling consists in a first cooling of the laminations to a temperature of 570 to 630°C, thereafter subjecting the laminations to a second cooling to a temperature of 450 to 500°C, holding the laminations at said temperature and providing an oxide coating thereon and, thereafter, subjecting the laminations to a third step of cooling by air quenching.

Compl. Specn. 7 pages.

CLASS : 27G1

161218

Int. Cl. : E04C 3/00 5/12.

ANCHORING MEANS FOR FREELY OSCILLATING STEEL TENSION ELEMENTS OF A DYNAMICALLY STRESSED STRUCTURAL COMPONENT.

Applicant : LOSINGER AG., OF KONIZSTRASSE 74, 3008 BERN, CANTON OF BERNE, SWITZERLAND A SWISS COMPANY.

Inventor : PETER MATT.

Application for Patent No. 662/Del/84 filed on 16th August, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

6 Claims

Anchoring means for freely oscillating steel tension elements (4) such as herein described of a dynamically stressed structural component, having an anchor body (1) with bore (2) running parallel to one another, through which the tension elements (4) are led and are anchored at their ends by means of wedge clamps (3) in conically outwards opening spaces (2a) of the bores (2), supporting means against which the tension elements (4) rest, being provided in the deflection region of the anchor body (1) for the purpose of taking up deflecting forces, and having a spreader ring (9) situated at a distance from the anchor body

(1) for bunching the tension elements (4) leaving the anchor-body bores (2) and passing through the spreader ring (9), characterized in that the diameter (D) of each boer (2) in the section (2c) from said conically outwards opening space (2a) up to approximately the exit end (2b) is constant and larger than that (d) of the tension element (4), that the supporting means are provided only in the region of the exit ends (2b) of each bore as oscillatable supporting means (5, 13, 14, 6) and that the spreader ring (9) has on its surface facing the tension elements (4) an insert (10) resting against the tension elements (4).

Compl. specn. 9 pages.

Drg. 2 sheets

CLASS : 12B

161219

Int. Cl. : C21d 1/46.

TOPPING UP CHARGE INTENDED TO COMPENSATE FOR THE LOSSES OF BATH OF MOLTEN SALTS FOR THE TREATMENT OF METAL ARTICLES.

Applicant : CENTRE STEPHANOIS DE RECHERCHES MECANQUES HYDROMECHANIQUE ET FROTTEMENT, A FRENCH COMPANY, OF RUE BENOIT FOURNEYRON, ZONE INDUSTRIELLE SUD, 42160 ANDREZIEUX-BOUTHFON, FRANCE.

Inventor : MR. BERNARD GRELLET.

Application for Patent No. 663/Del/84 filed on 16th August, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

12 Claims

Topping-up charge intended to compensate for the losses of a bath of molten salts for the treatment of metal articles, so as to maintain the condition of this bath, the said losses being due (firstly) for a first portion to the entrainment of molten salts by the articles leaving the bath and (secondly) for the second portion to the degeneration of an active compound to a less active degraded compound which, in its ultimate degraded form, where it has become completely inactive, is referred to as the degradation product, the said degradation product being capable of reverting to the active compound by reaction with at least one regenerant of the kind such as herein described introduced into the bath for this purpose, the said charge being characterised in that it consists of tablets obtained by compacting a mixture of at least two particulate materials, one of these materials consisting of a replenishing product of the same composition as the degradation product and another material consisting of the said regenerant; whereby the said tablets, when introduced into the bath, melt and progressively release into the bath their constituting materials, so that the said regenerant reacts with the said replenishing product to compensate for the said first portion of said losses, while it reacts with the degradation product contained in the bath to compensate for the said second portion of said losses.

Complete specification 14 pages.

CLASS : 32-C

161220

Int. Cl. : C 07 c 47/52.

AN IMPROVEMENT IN OR RELATING TO A PROCESS FOR THE PREPARATION OF GUETHOL ALLYL ETHER.

Applicant : RECKITT & COLMAN OF INDIA LIMITED, OF 41 CHOWRINGHEE ROAD, CALCUTTA-700 071, STATE OF WEST BENGAL, INDIA.

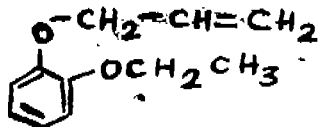
Inventors : 1. DR. SURENDRA PRASAD BHATNAGAR. 2. DR. AJAI PRAKASH. 3. DR. SATISH CHANDRA MISRA. 4. DR. RAMANUJAN SRINIVASA PRASAD. 5. DR. SUSHEEL KUMAR SURI.

Application No. 93/Cal/85 filed February 11, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

An improvement in or relating to the process for the preparation of guethol allyl ether of formula 1 of the accompanying drawings



which comprises reacting guethol with an alkali such as sodium hydroxide and allyl chloride in absolute alcohol at a temperature of 0-80°C in presence of moisture quenchers such as molecular sieves and calcium oxide.

Compl. Specn. 8 pages.

Drg. 1 sheet

OPPOSITION PROCEEDINGS

(1)

An opposition entered by Elpro International Ltd. to the grant of a patent on application No. 151775 made by Mitsubishi Denki Kabushiki Kaisha as notified in Gazette of India Part III Section 2, dated 11-2-84 has been dismissed and ordered that a Patent to be sealed.

(2)

An opposition has been entered by M/s. Polar Fan Industries Ltd. to grant of a patent on application No. 159016 dated 10th March, 1983 made by DLP Universal Limited.

(3)

An opposition has been entered by M/s. Polar Fan Industries Ltd. to grant of a patent on application No. 159023 dated 19th March, 1984 made by M/s. Modern Fan Industries.

(4)

An opposition has been entered by M/s. Polar Fan Industries Ltd. to grant of a patent on application No. 159043 dated 10th August, 1983 made by The Jay Engineering Works Limited.

(5)

An opposition has been entered into by M/s. Honda Giken Kogyo Kabushiki Kaisha, Japan to the grant of a patent on application for Patent No. 159082 made by M/s. Bajaj Auto Ltd., Pune.

(6)

An opposition has been entered into by M/s. PIAGGIO & C.S.P.A., Italy to the grant of a patent on application for patent No. 159082 made by M/s. Bajaj Auto Ltd., Pune.

(7)

An opposition has been entered by the Hawkins Cookers Ltd. to the grant of a Patent on application No. 159094 made by Dr. Hers George Bochem.

PATENTS SEALED

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AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that the Fertilizer (Planning of Development) India Ltd. of C.I.F.T. Buildings, P.O. Sindri, Pin-828122, Dist. Dhanbad, Bihar, India, an Indian organization have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 157410 for "a process for the production of NP fertilizers". The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall left within one month from the date of filing the said notice.

(2)

Notice is hereby given that Paramex Chemicals Limited, a British Company of Unit A3, Stafford Park 11, Telford, Shropshire England have made an application Under Section 57 of the Patents Act, 1970 for amendment of application, specification and drawings of their application for Patent No. 157649 for "a device for scouring the surface of elongate material". The amendment are by way of changing name of company from Paramex Chemicals Limited to Wellman Paramex Limited. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall left within one month from the date of filing the said notice.

RENEWAL FEES PAID

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157859	157871	157872	157873	157874	157875	157877
157894	157934	157935	157938	157939	157987	158002
158045	158046	158047	158048	158142	158264	158337
158360	158363	158455	158582			

CESSATION OF PATENTS

140523	150524	150525	150529	140530	140533	140535
140537	140538	140539	140545	140546	140553	140561
140564	140565	140566	140567	140568	140570	140573
140575	140576	140580	140581	140583	140586	140591
140592	140593	140595	140597	140600	140601	140602
140604	140606	140607	140608	140609	140610	140612
140615	140616	140621	140622	140623	140624	140627
140631	140632	140636	140638	140639	140640	140641
140643	140647	140648	140649.			

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 158149. Master Plastic Bottles Manufacturers Pvt. Ltd.; an Indian Company of Express Business International, 1203, Regent Chambers, 12th floor, Nariman Point, Bombay-400021, Maharashtra, India. "Bottles".—March 24, 1987.

Class 1. No. 158134. Master Plastic Bottles Manufacturers Pvt. Ltd., an Indian Company of Express Business International, 1203, Regent Chambers, 12th floor, Nariman Point, Bombay-400021, Maharashtra, India. "Bottles".—March 17, 1987.

Class 1. No. 158131. Master Plastic Bottles Manufacturers Pvt. Ltd., an Indian Company of Express Business International, 1203, Regent Chambers, 12th floor, Nariman Point, Bombay-400021, Maharashtra, India. "Bottles".—March 17, 1987.

Class 3. No. 158172. Anup V. Shah, C-3, Bindu Bldg., Tilak Road, Santacruz (West), Bombay-400054, Maharashtra, India, Indian. "Trimming Scissors". March 27, 1987.

Class 3. No. 158150. Master Plastic Bottles Manufacturers Pvt. Ltd., Indian Company, Express Business International, 1293, Regent Chambers, 12th floor, Nariman Point, Bombay-400021, Maharashtra, India. "Bottles". March 24, 1987.

Class 3. Nos. 158132 & 158135. Master Plastic Bottles Manufacturers Pvt. Ltd., Indian Company of Express Business International 1203, Regent Chambers, 12th floor, Nariman Point, Bombay-400021, Maharashtra, India. "Bottles". March 17, 1987.

Class 3. No. 158178. Bharat Petroleum Corporation Ltd., an Indian Co., Bharat Bhavan, Ballard Estate, Post Box No. 688, Bombay-400038, Maharashtra, India. "Cap for L.P.G. Cylinder". March 30, 1987.

Class 3. No. 158128. Societe Generale Des Eaux Minerales De Vittel, French Co., B. P. 88800 Vittel, France. "Bottle". March 12, 1987.

Class 3. No. 158102. Tulsidas Drolia of D. B. Bhawan, 28/7, Maulana Abdul Kalam Azad Road, Howrah 1, W. B., India, Indian. "Container". March 6, 1987.

Class 3. Nos. 158180 & 158181. Hangs Plastics, 6/8, East Patel Nagar, New Delhi, India, Indian Partnership Firm. "Dress Hangars". March 30, 1987.

Class 3. Nos. 158170 & 158171. Usha Industries, 4/301, Sonawala Estate, I. B. Patel Road, Goregaon (E), Bombay-400063, Maharashtra, India. Indian Partnership Firm. "Thermic Insulated Jug". March 27, 1987.

Class 3. No. 158103. Indian Cosmetics, 35J Raja Naba Kissan Street, Calcutta-700005, W. B., India. Indian Proprietary Concern. "Container". March 6, 1987.

Class 3. No. 158126. GTE ATEA, naamloze Venootschap, Belgian Company of Industriepark Klein Gent, 2410 Herentals, Belgium.

Class 3. Nos. 158095 & 158096. Sharad Narayan Pathak, Indian, 595, Shanwar Peth, Poona-411030, Maharashtra, India. "Inline Filter". March 5, 1987.

Class 3. No. 158035. Gurbachan Electronics & Electricals, Post Box No. 17, Dimapur 797112, Nagaland, India, Indian Proprietary Concern. "Radio". February 19, 1987.

Class 4. Nos. 158151, 158136 & 158133. Master Plastic Bottles Manufacturers Pvt. Ltd., Indian Company, Express Business International, 1203, Regent Chambers, 12th floor, Nariman Point, Bombay-400021, "Bottles". March 24, 1987.

Copyright Extended for second period of five years

No. 151962 Class 1.

Nos. 156591 & 151885.....Class 3.

Copyright Extended for the third period of five years

Nos. 144244, 151962, 145672, 14573, 145763, 145765, Class 1.

Nos. 156591, 144179, 145674, 145675,

145764 145766 Class 3.

R. A. ACHARYA
Controller General of Patents,
Design and Trade Marks

